

# MATERIAL SAFETY DATA SHEET

## MSDS

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Date-Issued: 09/19/1997  
MSDS Ref. No: RPTM23340  
Date-Revised: 09/22/1997  
Revision No: New MSDS

### PoolTime pH Decreaser - Muriatic Acid

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PoolTime pH Decreaser - Muriatic Acid  
GENERAL USE: pH Decreaser.  
CHEMICAL FAMILY: Inorganic Acid

##### MANUFACTURER

Recreational Water Products  
Pool Time  
PO Box 887  
Scottsdale, GA 30079  
Customer SERVICE: (800) 949-7946

##### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (Transportation) (800) 424-9300  
Poison Control Center (Medical)(877) 800-5553

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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt. %</u>
Hydrochloric acid	7647-01-0	31.4

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#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

###### PHYSICAL APPEARANCE:

Clear, colorless to light yellow liquid.

###### IMMEDIATE CONCERNS:

POISON. DANGER. May be fatal if swallowed. Causes severe burns. Vapor harmful. Keep out of reach of children. Keep away from eyes. Avoid contact with skin. Do not inhale or swallow. Wear goggles or safety glasses and rubber gloves when handling this product. Remove and wash contaminated clothing before reuse. Do not mix with chlorine-type bleaches or other household chemicals.

##### POTENTIAL HEALTH EFFECTS

###### EYES:

DANGER: Corrosive. Causes eye burns. Do not get in eyes.

###### SKIN:

DANGER: Corrosive: Causes skin burns. Do not get on skin.

###### INGESTION:

May be fatal if swallowed.

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#### INHALATION:

Harmful if inhaled. Avoid breathing fumes.

#### CHRONIC:

There are no known chronic hazards.

#### ROUTES OF ENTRY:

Skin Contact, Inhalation, Ingestion, Eye Contact.

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## 4. FIRST AID MEASURES

#### EYES:

If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

#### SKIN:

If contact with skin: Rinse off excess chemical and flush skin with cold water for at least 15 minutes. If skin irritation develops, seek immediate medical attention.

#### INGESTION:

If swallowed: Drink large amounts of water. Do not induce vomiting. Avoid alcohol. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician or poison control center immediately.

#### INHALATION:

If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

#### NOTES TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage.

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## 5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: None

#### GENERAL HAZARD:

There are no unusual fire and explosion hazards known.

#### EXTINGUISHING MEDIA:

Water Fog

#### FIRE FIGHTING EQUIPMENT:

Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

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#### 6. ACCIDENTAL RELEASE MEASURES

##### SMALL SPILL:

For a small spill, cover the contaminated surface with sodium bicarbonate or a soda ash/slaked lime mixture (50-50). Mix and add water if necessary to form a slurry. Scoop up slurry and wash site with soda ash with soda ash solution. Neutralized slurry may be flushed down drain with large amounts of water.

#### 7. HANDLING AND STORAGE

##### GENERAL PROCEDURES:

Avoid contact with eyes, skin or clothing. Avoid breathing vapors.

##### HANDLING:

Mix only with water. Never add water to product. Always add product to large quantities of water. Do not mix with other chemicals. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion.

##### STORAGE:

Keep this product in its original container when not in use. Store in cool, dry, well-ventilated area. Keep this product and all other chemicals out of children's reach.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### EXPOSURE GUIDELINES:

##### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SUPPLIER OEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Hydrochloric acid	TWA	5		5			

##### ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to maintain exposure below TLV.

##### PERSONAL PROTECTIVE EQUIPMENT:

###### EYES AND FACE:

Wear goggles or safety glasses with side shields when handling this product.

###### SKIN:

Wear rubber gloves when handling this product. Avoid contact with skin.

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#### RESPIRATORY:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

#### WORK HYGIENIC PRACTICES:

If product gets on clothing, remove and wash before reuse.

#### OTHER USE PRECAUTIONS:

Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Chlorine

APPEARANCE: Clear

COLOR: Colorless to light yellow

pH: <1.0

SOLUBILITY IN WATER: Miscible in Water

SPECIFIC GRAVITY: 1.16 g/ml

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## 10. STABILITY AND REACTIVITY

#### CONDITIONS TO AVOID:

High temperature. Poor ventilation. Contamination. Moisture/high humidity.

#### STABILITY:

This product is stable under normal conditions.

#### POLYMERIZATION:

Hazardous polymerization will not occur under normal conditions.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Hydrogen chloride gas.

#### INCOMPATIBLE MATERIALS:

Other swimming pool/spa chemicals in their concentrated forms. Bases. Strong alkalis. Do not mix with chlorine-type bleaches or other household chemicals.

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## 11. TOXICOLOGICAL INFORMATION

#### EYE EFFECTS:

This product is corrosive to eyes.

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#### SKIN EFFECTS:

This product is corrosive to skin.

#### CARCINOGENICITY:

This product is not listed as a carcinogen by IARC.

This product is not listed as a carcinogen by NTP.

This product is not listed as a carcinogen by OSHA.

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## 12. ECOLOGICAL INFORMATION

#### ECOTOXICOLOGICAL INFORMATION:

This product is toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

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## 13. DISPOSAL CONSIDERATIONS

#### PRODUCT DISPOSAL:

Dispose of unused, uncontaminated product in compliance with local, state and federal regulations.

#### EMPTY CONTAINER:

Do not reuse container. Rinse thoroughly before discarding in trash.

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## 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Hydrochloric Acid Solution

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 1789

PACKING GROUP: II

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## 15. REGULATORY INFORMATION

#### UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Hydrochloric acid is a SARA Title III Section 313 Toxic Chemical.

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#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Hydrochloric acid (muriatic acid) (CAS # 7647-01-0), a component of this product, has a CERCLA RQ of 5000 lbs.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product or its components are not subject to export notification.

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

#### OSHA HAZARD COMM. RULE:

Product is hazardous by definition of the Hazardous Communication Standard.

#### FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):

This product is not a registered pesticide.

#### DEA (DRUG ENFORCEMENT PRECURSOR & ESSENTIAL CHEMICALS) LISTED SUBSTANCE:

Hydrochloric acid is listed as a DEA essential chemical.

#### CLEAN AIR ACT

40 CFR PART 68—RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Hydrochloric acid is listed under the Clean Air Act Sections 112 [Statutory Air Pollutants] and 112r [Accidental Release Prevention Substances].

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## 16. OTHER INFORMATION

#### REVISION SUMMARY

New MSDS

#### NFPA CODES

HEALTH: 3    FIRE: 0    REACTIVITY: 0

#### HMIS CODES

HEALTH: 3    FIRE: 0    REACTIVITY: 0    PROTECTION: B

#### MANUFACTURER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.

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